

SEQUENCE LISTING

<110> Welch, Andrew A.
Calzone, Frank J.

<120> CD20/IgE-Receptor Like Molecules and Uses Thereof

<130> 01017/36938A

<140>
<141>

<150> US 09/723,258
<151> 2000-11-27

<150> US 60/193,728
<151> 2000-03-30

<160> 25

<170> PatentIn Ver. 2.0

<210> 1
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (98)..(697)

<400> 1
ttccagtgtcc ccaggcagcc tcagcacaag aaaagaacat ggtcttagact gaagtaccaa 60

ctaaatcatc tcctttcaaa ttatcacccga caccatc atg gat tca agc acc gca 115
Met Asp Ser Ser Thr Ala
1 5

cac agt ccg gtg ttt ctg gta ttt cct cca gaa atc act gct tca gaa 163
His Ser Pro Val Phe Leu Val Phe Pro Pro Glu Ile Thr Ala Ser Glu
10 15 20

tat gag tcc aca gaa ctt tca gcc acg acc ttt tca act caa agc ccc 211
Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr Phe Ser Thr Gln Ser Pro
25 30 35

ttg caa aaa tta ttt gct aga aaa atg aaa atc tta ggg act atc cag 259
Leu Gln Lys Leu Phe Ala Arg Lys Met Lys Ile Leu Gly Thr Ile Gln
40 45 50

atc ctg ttt gga att atg acc ttt tct ttt gga gtt atc ttc ctt ttc 307
Ile Leu Phe Gly Ile Met Thr Phe Ser Phe Gly Val Ile Phe Leu Phe
55 60 65 70

act ttg tta aaa cca tat cca agg ttt ccc ttt ata ttt ctt tca gga 355
Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro Phe Ile Phe Leu Ser Gly
75 80 85

tat cca ttc tgg ggc tct gtt ttg ttc att aat tct gga gcc ttc cta 403
Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile Asn Ser Gly Ala Phe Leu
90 95 100

att gca gtg aaa aga aaa acc aca gaa act ctg ata ata ttg agc cga	451
Ile Ala Val Lys Arg Lys Thr Thr Glu Thr Leu Ile Ile Leu Ser Arg	
105 110 115	
ata atg aat ttt ctt agt gcc ctg gga gca ata gct gga atc att ctc	499
Ile Met Asn Phe Leu Ser Ala Leu Gly Ala Ile Ala Gly Ile Ile Leu	
120 125 130	
ctc aca ttt ggt ttc atc cta gat caa aac tac att tgt ggt tat tct	547
Leu Thr Phe Gly Phe Ile Leu Asp Gln Asn Tyr Ile Cys Gly Tyr Ser	
135 140 145 150	
cac caa aat agt cag tgt aag gct gtt act gtc ctg ttc ttg gga att	595
His Gln Asn Ser Gln Cys Lys Ala Val Thr Val Leu Phe Leu Gly Ile	
155 160 165	
ttg att aca ttg atg act ttc agc att att gaa tta ttc att tct ctg	643
Leu Ile Thr Leu Met Thr Phe Ser Ile Ile Glu Leu Phe Ile Ser Leu	
170 175 180	
cct ttc tca att ttg ggg tgc cac tca gag gat tgt gat tgt gaa caa	691
Pro Phe Ser Ile Leu Gly Cys His Ser Glu Asp Cys Asp Cys Glu Gln	
185 190 195	
tgt tgt tgactagcac tgtgagaata aagatgtgtt aaaatctcaa aaaaaaaaaa	747
Cys Cys	
200	
aaaaaaaaaaa aaa	760
<210> 2	
<211> 200	
<212> PRT	
<213> Homo sapiens	
<400> 2	
Met Asp Ser Ser Thr Ala His Ser Pro Val Phe Leu Val Phe Pro Pro	
1 5 10 15	
Glu Ile Thr Ala Ser Glu Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr	
20 25 30	
Phe Ser Thr Gln Ser Pro Leu Gln Lys Leu Phe Ala Arg Lys Met Lys	
35 40 45	
Ile Leu Gly Thr Ile Gln Ile Leu Phe Gly Ile Met Thr Phe Ser Phe	
50 55 60 60	
Gly Val Ile Phe Leu Phe Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro	
65 70 75 80	
Phe Ile Phe Leu Ser Gly Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile	
85 90 95	
Asn Ser Gly Ala Phe Leu Ile Ala Val Lys Arg Lys Thr Thr Glu Thr	
100 105 110	
Leu Ile Ile Leu Ser Arg Ile Met Asn Phe Leu Ser Ala Leu Gly Ala	
115 120 125	
Ile Ala Gly Ile Ile Leu Leu Thr Phe Gly Phe Ile Leu Asp Gln Asn	
130 135 140	

Tyr Ile Cys Gly Tyr Ser His Gln Asn Ser Gln Cys Lys Ala Val Thr
145 150 155 160

Val Leu Phe Leu Gly Ile Leu Ile Thr Leu Met Thr Phe Ser Ile Ile
165 170 175

Glu Leu Phe Ile Ser Leu Pro Phe Ser Ile Leu Gly Cys His Ser Glu
180 185 190

Asp Cys Asp Cys Glu Gln Cys Cys
195 200

<210> 3
<211> 982
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (107) .. (826)

<400> 3
ggcaggaaca gccagtggga ggttccagct gagcgctccc cagaggttag ctgatcccc 60
gccacagcac acaggaccag gctgcgagaa cagcatcatc agcatc atg cta tta 115
Met Leu Leu
1
caa tcc caa acc atg ggg gtt tct cac agc ttt aca cca aag ggc atc 163
Gln Ser Gln Thr Met Gly Val Ser His Ser Phe Thr Pro Lys Gly Ile
5 10 15
act atc cct caa aga gag aaa cct gga cac atg tac caa aac gaa gat 211
Thr Ile Pro Gln Arg Glu Lys Pro Gly His Met Tyr Gln Asn Glu Asp
20 25 30 35
tac ctg cag aac ggg ctg cca aca gaa acc acc gtt ctt ggg act gtc 259
Tyr Leu Gln Asn Gly Leu Pro Thr Glu Thr Val Leu Gly Thr Val
40 45 50
cag atc ctg tgt tgc ctg ttg att tca agt ctg ggg gcc atc ttg gtt 307
Gln Ile Leu Cys Cys Leu Leu Ile Ser Ser Leu Gly Ala Ile Leu Val
55 60 65
ttt gct ccc tac ccc tcc cac ttc aat cca gca att tcc acc act ttg 355
Phe Ala Pro Tyr Pro Ser His Phe Asn Pro Ala Ile Ser Thr Thr Leu
70 75 80
atg tct ggg tac cca ttt tta gga gct ctg tgt ttt ggc att act gga 403
Met Ser Gly Tyr Pro Phe Leu Gly Ala Leu Cys Phe Gly Ile Thr Gly
85 90 95
tcc ctc tca att atc tct gga aaa caa tca act aag ccc ttt gac ctg 451
Ser Leu Ser Ile Ile Ser Gly Lys Gln Ser Thr Lys Pro Phe Asp Leu
100 105 110 115
agc agc ttg acc tca aat gca gtg agt tct gtt act gca gga gca ggc 499
Ser Ser Leu Thr Ser Asn Ala Val Ser Ser Val Thr Ala Gly Ala Gly
120 125 130

ctc ttc ctc ctt gct gac agc atg gta gcc ctg agg act gcc tct caa	547
Leu Phe Leu Leu Ala Asp Ser Met Val Ala Leu Arg Thr Ala Ser Gln	
135 140 145	
cat tgt ggc tca gaa atg gat tat cta tcc tca ttg cct tat tcg gag	595
His Cys Gly Ser Glu Met Asp Tyr Leu Ser Ser Leu Pro Tyr Ser Glu	
150 155 160	
tac tat tat cca ata tat gaa atc aaa gat tgt ctc ctg acc agt gtc	643
Tyr Tyr Pro Ile Tyr Glu Ile Lys Asp Cys Leu Leu Thr Ser Val	
165 170 175	
agt tta aca ggt gtc cta gtg gtg atg ctc atc ttc act gtg ctg gag	691
Ser Leu Thr Gly Val Leu Val Val Met Leu Ile Phe Thr Val Leu Glu	
180 185 190 195	
ctc tta tta gct gca tac agt tct gtc ttt tgg tgg aaa cag ctc tac	739
Leu Leu Leu Ala Ala Tyr Ser Ser Val Phe Trp Trp Lys Gln Leu Tyr	
200 205 210	
tcc aac aac cct ggg agt tca ttt tcc tcg acc cag tca caa gat cat	787
Ser Asn Asn Pro Gly Ser Ser Phe Ser Ser Thr Gln Ser Gln Asp His	
215 220 225	
atc caa cag gtc aaa aag agt tct tca cgg tct tgg ata taagtaactc	836
Ile Gln Gln Val Lys Lys Ser Ser Arg Ser Trp Ile	
230 235 240	
ttggcctcag aggaaggaaa agcaactcaa cactcatggt caagtgtat tagactttcc	896
tgaaatctct gccattttag atactgtgaa acaaactaaa aaaaaaaagct tttgtttgt	956
atttgaaaaaaaaaaaaaaaaaaaaaa	982

<210> 4
<211> 240
<212> PRT
<213> Homo sapiens

<400> 4
Met Leu Leu Gln Ser Gln Thr Met Gly Val Ser His Ser Phe Thr Pro
1 5 10 15
Lys Gly Ile Thr Ile Pro Gln Arg Glu Lys Pro Gly His Met Tyr Gln
20 25 30
Asn Glu Asp Tyr Leu Gln Asn Gly Leu Pro Thr Glu Thr Thr Val Leu
35 40 45
Gly Thr Val Gln Ile Leu Cys Cys Leu Leu Ile Ser Ser Leu Gly Ala
50 55 60
Ile Leu Val Phe Ala Pro Tyr Pro Ser His Phe Asn Pro Ala Ile Ser
65 70 75 80
Thr Thr Leu Met Ser Gly Tyr Pro Phe Leu Gly Ala Leu Cys Phe Gly
85 90 95
Ile Thr Gly Ser Leu Ser Ile Ile Ser Gly Lys Gln Ser Thr Lys Pro
100 105 110

Phe Asp Leu Ser Ser Leu Thr Ser Asn Ala Val Ser Ser Val Thr Ala
115 120 125

Gly Ala Gly Leu Phe Leu Leu Ala Asp Ser Met Val Ala Leu Arg Thr
130 135 140

Ala Ser Gln His Cys Gly Ser Glu Met Asp Tyr Leu Ser Ser Leu Pro
145 150 155 160

Tyr Ser Glu Tyr Tyr Pro Ile Tyr Glu Ile Lys Asp Cys Leu Leu
165 170 175

Thr Ser Val Ser Leu Thr Gly Val Leu Val Val Met Leu Ile Phe Thr
180 185 190

Val Leu Glu Leu Leu Ala Ala Tyr Ser Ser Val Phe Trp Trp Lys
195 200 205

Gln Leu Tyr Ser Asn Asn Pro Gly Ser Ser Phe Ser Ser Thr Gln Ser
210 215 220

Gln Asp His Ile Gln Gln Val Lys Lys Ser Ser Ser Arg Ser Trp Ile
225 230 235 240

<210> 5

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer 2277-69

<400> 5

cagcccgttc tgcaggtaat cttc

24

<210> 6

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: AP1 Primer

<400> 6

ccatccta atcgactca atagggc

27

<210> 7

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer 2277-70

<400> 7

atgtgtccag gtttctctt ttga

24

<210> 8

<211> 23

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: AP2 Primer

<400> 8
actcactata gggctcgagc ggc 23

<210> 9
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2272-72

<400> 9
ttactgcagg agcaggcctc ttc 23

<210> 10
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2272-73

<400> 10
cagcatggta gccctgagga ctg 23

<210> 11
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2289-28

<400> 11
caacacgtcg acccaccatg ctattacaat cccaaaccat ggg 43

<210> 12
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2289-29

<400> 12
caacaagcgg ccgcagttgc ttttccttcc tctgaggc 38

<210> 13
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2277-19

<400> 13
ggaagataac tccaaaagaa aaggtc 26

<210> 14
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2270-20

<400> 14
aaacaggatc tggatagtcc ctaag 25

<210> 15
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2277-22

<400> 15
cctcacattt ggtttcatcc tagatc 26

<210> 16
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2277-23

<400> 16
gtcagtgtaa ggctgttact gtcc 24

<210> 17
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2289-26

<400> 17
caacacgtcg acccaccatg gattcaagca ccgcacacag t 41

<210> 18
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2289-27

<400> 18
caacaagcgg ccgcttaaca catctttatt ctcacagtgc t 41

<210> 19
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2323-64

<400> 19
agcaggcctc ttcccttgctg a 21

<210> 20
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2323-69

<400> 20
tgaactcccc gggttgttgg agt 23

<210> 21
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2323-69

<400> 21
ctggaggcctt ccctaattgc agtga 25

<210> 22
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2323-70

<400> 22
caatcacaat cctctgagtg gca 23

<210> 23
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer 2323-64

<400> 23
ccaagaccgt gaagaactct 20

<210> 24
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide

<400> 24
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
1 5 10

<210> 25
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide

<400> 25
Phe Ile Thr Cys Gly Gly Gly Tyr Gly Arg Lys Lys Arg Arg Gln
1 5 10 15
Arg Arg Arg